

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	53	("20030111490"   "20040104249"   "3089626"   "3251516"   "3323682"   "3863818"   "4121739"   "4471888"   "4538920"   "4674661"   "4687663"   "4801008"   "5082147"   "5127548"   "5137181"   "5249709"   "5333760"   "5370221"   "5535922"   "5743436"   "6065643"   "6375460"   "6386872"   "6454129").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/31 09:57
S2	1257	222/137	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/31 10:03
S3	26	S2 and piston same foil	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/31 10:03
S4	14	("2705463"   "4050612"   "4340154"   "4366919"   "4457641"   "5161715"   "5184757"   "5242082"   "5310091"   "5339992"   "5722829"   "5875928"   "6056164").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/31 10:06
S5	7	("1965271"   "3077078"   "4067479"   "4136801"   "5104005").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/31 10:08
S6	8	("5242082").URPN.	USPAT	OR	ON	2009/08/31 10:09
S7	2	("5242082"   "5875928").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/31 10:10
S8	9	("6352177").URPN.	USPAT	OR	ON	2009/08/31 10:11
S9	10	("2168686"   "3572336"   "4303069"   "4610666"   "5020694"   "5335827"   "5881921"   "6352177").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/31 10:13
S10	0	222/145,146.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/31 10:19
S11	955	222/145.5,145.6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/31 10:19
S12	5	S11 and (piston same foil)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/31 10:20
S13	3882	222/94,129,136,135.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/31 10:24
S14	19	S13 and (piston same foil)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/31 10:24

S15	23	("2816518"   "4014463"   "4117551"   "4240566"   "4432469"   "4538920"   "4690306"   "4747517"   "4753536"   "4767026"   "4771919"   "4869400"   "4978336"   "4981241"   "4989758"   "4995540"   "5022563"   "5033650"   "5038963"   "5065906"   "5080262"   "5249862").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/31 11:03
S16	16	("3166221"   "3250443"   "3279654"   "3323682"   "4030643"   "4169547"   "4179050"   "4269330"   "4366919"   "4452370"   "4854485"   "4913553").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/31 11:03
S17	57	("3166221").URPN.	USPAT	OR	ON	2009/08/31 11:05
S18	14	("0245263"   "1193446"   "2198905"   "3386626"   "3799453"   "4538920"   "4708370"   "4767026"   "4771919"   "4869400").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/31 11:10
S19	14	("0245263"   "1193446"   "2198905"   "3386626"   "3799453"   "4538920"   "4708370"   "4767026"   "4771919"   "4869400").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/31 11:11
S20	77	("5033650").URPN.	USPAT	OR	ON	2009/08/31 11:11
S21	10	("4753536"   "4995540"   "5033650"   "5624260"   "5722829"   "5755362"   "5947278"   "6201038"   "6394314"   "6547101").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/31 11:12
S22	5	("6843652").URPN.	USPAT	OR	ON	2009/08/31 11:14
S23	10	("4067479"   "4986443"   "5033650"   "5332122"   "5401169"   "5419460"   "5443181"   "5501368"   "5653360"   "5743436").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/31 11:17
S24	10	("3028052"   "4452370"   "4645098"   "4834268"   "4951848"   "5150823"   "5178305"   "5295615"   "5400926").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 11:41
S25	29	("20030048694"   "3166221"   "3451593"   "3828980"   "3936199"   "4538920"   "4767026"   "4840483"   "4850705"   "5072862"   "5174653"   "5249709"   "5310091"   "5535922"   "5713095"   "5725499"   "5875928"   "6135631"   "6244740"   "6484904"   "6505983"   "6601782"   "6629774"   "6672519"   "6764026"   "6769578"   "6773156").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 11:43
S26	27	("1950137"   "2001819"   "3144966"   "3164303"   "3437242"   "4014463"   "4029236"   "4050612"   "4205766"   "4220261"   "4340154"   "4366919"   "4371094"   "4676406"   "4771919"   "4799801"   "4826047"   "4834714"   "4961520"   "4969747"   "5065906"   "5139171").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 11:47
S27	7	("2705463"   "2826339"   "3166221"   "4366919").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 11:48
S28	16	("3166221"   "3250443"   "3279654"   "3323682"   "4030643"   "4169547"   "4179050"   "4269330"   "4366919"   "4452370"   "4854485"   "4913553").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 11:50
S29	17	("5065906").URPN.	USPAT	OR	ON	2010/03/01 11:51

S30	43	("1595424"   "3223083"   "3517668"   "3905365"   "4359049"   "4364388"   "4452285"   "4526303"   "4566610"   "4581022"   "4655372"   "4666429"   "4690306"   "4710178"   "4784157"   "4795441"   "4902281"   "4934827"   "4994065"   "5065906"   "5116315"   "5376079"   "5520658"   "5535922"   "5664701"   "5722829"   "5749968"   "5755362"   "5759169"   "5759171"   "5769272"   "5779103"   "5951531"   "5975367"   "5992694"   "6007515"   "6047861"   "6059749"   "6165201"   "6213984").PN.				US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 11:55
S31	5	("6585696").URPN.				USPAT	OR	ON	2010/03/01 12:05
S32	16	("4452285"   "4471888"   "4566610"   "4826053"   "5364386"   "5520658"   "5638997"   "5824084"   "6030214"   "6047861"   "6049026"   "6382466"   "6394982"   "6425897"   "6585696"   "6889872").PN.				US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 12:06
S33	2	("3989952"   "4493646").PN.				US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 12:09
S34	3	("6030214").URPN.				USPAT	OR	ON	2010/03/01 12:09
S35	94	("1698404"   "1965271"   "2722218"   "2833444"   "3029983"   "3105615"   "3159312"   "3197071"   "3206074"   "3266671"   "3302832"   "3323682"   "3813011"   "3948704"   "3976223"   "3993224"   "4014463"   "4147282"   "4240566"   "4277184"   "4340154"   "4366919"   "4370062"   "4386717"   "4432469"   "4493436"   "4711373"   "4738379"   "4747517"   "4753536"   "4767025"   "4846373"   "4901883"   "4913316"   "4926029"   "4974756"   "4981241"   "4989758"   "4995540"   "5004125"   "5033650"   "5065906"   "5069365"   "5114044"   "5161715"   "5184757"   "5197961"   "5203839"   "5236108"   "5242082"   "5249709"   "5301842"   "5307954"   "5375740"   "5386928"   "5401169"   "5405090"   "5413253"   "5443181"   "5494190"   "5535922"   "5566860"   "5593066"   "5609271"   "5647510"   "5650180"   "5676280"   "5699935"   "5823391"   "5826751"   "5842604"   "5860565"   "5862951"   "5865345"   "5873970"   "5897028"   "5918770"   "5921440"   "5954231"   "6019251"   "6047861"   "FE33969").PN.				US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 12:12
S36	4	("3838796"   "3974943"   "4176754"   "4231492").PN.				US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 14:18
S37	9	("5419460").URPN.				USPAT	OR	ON	2010/03/01 14:19
S38	12	("4366919"   "4493436"   "4690306"   "4691845"   "5050774"   "5104005"   "5209376"   "5330074"   "5375740"   "5564598"   "6012610"   "6299022").PN.				US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 15:36
S39	17	("1374263"   "1513781"   "1644173"   "2158774"   "3059494"   "3349962"   "3419051"   "3570719"   "4150769"   "4198872").PN.				US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 15:38
S40	25	("5104005").URPN.				USPAT	OR	ON	2010/03/01 15:40
S41	5	("4144988"   "5104005"   "5207357"   "5249709"   "5441175").PN.				US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 15:43
S42	6	("6176396").URPN.				USPAT	OR	ON	2010/03/01 15:44

S43	11	("1953765"   "2991138"   "3999680"   "5088630"   "5139178"   "5301835"   "5301839"   "6176396"   "6513680").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 15:45
S44	7	("3007611"   "3266671"   "3323682"   "3620417").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 15:48
S45	4	("3188056"   "3323682").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 15:49
S46	8	("3620417").URPN.	USPAT	OR	ON	2010/03/01 15:49
S47	4	("3311265"   "4090639"   "4471888").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 15:52
S48	33	("3311265").URPN.	USPAT	OR	ON	2010/03/01 15:53
S49	26	("2674469"   "3174653"   "3311265"   "3520331"   "3894663"   "3905365"   "4081112"   "4135644"   "4330070"   "4339058"   "4390115"   "4461407"   "4471888"   "4538920"   "4566610"   "4664298"   "4753536"   "4802607"   "4826050"   "4827977"   "4907727"   "4951843").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 15:55
S50	26	("4461407").URPN.	USPAT	OR	ON	2010/03/01 15:57
S51	56	("1612996"   "1998692"   "3144966"   "3216616"   "3217946"   "3459341"   "3477431"   "4010934"   "4116240"   "4197967"   "4208133"   "4338925"   "4371094"   "4405249"   "4461407"   "4546767"   "4547076"   "4653487"   "4671263"   "4676406"   "4693656"   "4966601"   "4994065"   "5071040"   "5181636"   "5341964"   "5431654"   "5501374"   "5514135"   "5556009"   "5624184"   "5630800"   "5638997"   "5681317"   "5762237"   "5829875"   "5893488"   "6019765"   "6045555"   "6048346"   "6083229"   "6096594"   "6120174"   "6149655"   "6155463"   "6547432"   "6736537"   "7018089"   "7134782").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/01 15:59
S52	0	("7320540").URPN.	USPAT	OR	ON	2010/03/01 16:02
S53	40	("4747517").URPN.	USPAT	OR	ON	2010/03/01 16:06
S54	4	("3188056"   "3323682").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 10:04
S55	17	("3188056").URPN.	USPAT	OR	ON	2010/03/02 10:04
S56	11	("3188056"   "3266671"   "3620417"   "3730394"   "4493436"   "4691845"   "4735509"   "4801008"   "4811549").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 10:05
S57	13	("1417707"   "3043424"   "3197067"   "3730394"   "3735900"   "3858853"   "3861522"   "4227612"   "4353463"   "4371094").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/02 10:08
S58	20	("4735509").URPN.	USPAT	OR	ON	2010/03/02 10:32
S59	35	("2941699"   "3066836"   "3166221"   "3250443"   "3311265"   "3323682"   "3366265"   "3378175"   "3390814"   "3828980"   "4027810"   "4169547"   "4217995"   "4260077"   "4402431"   "4471888"   "4538920"   "4560352"   "4684044"   "4767026"   "4830229"   "4836423"   "4854485"   "4903868"   "4907727"   "4981241").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 10:14
S60	25	("5249709").URPN.	USPAT	OR	ON	2010/08/27 10:15

S61	12	"3200995"   "3876118"   "4771919"   "4846373"   "5152432"   "5228599"   "5413253"   "5443183"   "6135631"   "6352177"   "6398077").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 10:17
S62	15	"3176595"   "4366919"   "4386717"   "4566610"   "4676657"   "4690306"   "4735509"   "4846373"   "5033650"   "5080262"   "5184757"   "5295613"   "5301842"   "5370273").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 10:19
S63	85	"1342060"   "1342450"   "1961173"   "2111582"   "2750900"   "2788159"   "2826339"   "2838210"   "2890836"   "2941699"   "2973883"   "3028052"   "3076225"   "3135428"   "3138303"   "3144966"   "3182860"   "3188056"   "3215320"   "3227319"   "3272389"   "3302832"   "3323682"   "3330444"   "3370754"   "3386992"   "3390814"   "3494359"   "3543967"   "3556348"   "3581940"   "3620417"   "3658213"   "3739947"   "3767085"   "3815791"   "3827602"   "3846373"   "4240566"   "4243166"   "4271984"   "4340154"   "4366919"   "4432469"   "4538920"   "4690306"   "4705192"   "4771919"   "4832235"   "4838457"   "4881821"   "4893729"   "4969747"   "5027981"   "5033650"   "5115946").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 10:20
S64	7	"2205147"   "2919724"   "3416707"   "4164305").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 10:21
S65	9	("3416707").URPN.	USPAT	OR	ON	2010/08/27 10:22
S66	28	("4271984").URPN.	USPAT	OR	ON	2010/08/27 10:22
S67	9	("3416707").URPN.	USPAT	OR	ON	2010/08/27 10:24
S68	23	("2973883").URPN.	USPAT	OR	ON	2010/08/27 10:25
S69	22	"2826339"   "3286992"   "3302832"   "3664638"   "3828980"   "3952920"   "4226235"   "4228924"   "4260077"   "4329988"   "4471888"   "4538920"   "4767026"   "4913553"   "4915695"   "4981241"   "4995540"   "5038963").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 10:27
S70	26	"0322286"   "0617591"   "1193446"   "1279935"   "1549858"   "2198905"   "2826339"   "3339811"   "3386626"   "3667652"   "3739947"   "4306743"   "4538920"   "4690306"   "4747517"   "4753536"   "4771919").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 10:27
S71	11	("5370273").URPN.	USPAT	OR	ON	2010/08/27 10:29
S72	1342	222/137	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 10:31
S73	158	222/142.9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 10:37
S74	1375	222/145.4,145.5,145.6,145.7,145.8.ocds.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 10:39
S75	15	"3140078"   "3144966"   "3164303"   "3437242"   "3606094"   "3730394"   "4208133"   "4676406"   "5192131"   "5240322").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 10:45

S76	10	("5501371").URPN.	USPAT	OR	ON	2010/08/27 10:45
S77	1552	222/566,567.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 11:31
S78	42	("3116856").URPN.	USPAT	OR	ON	2010/08/27 11:42
S79	14	("1378481"   "3001524"   "3006340"   "3116856"   "3154076"   "3302834"   "3913842"   "4811731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 11:43
S80	6	("3006340").URPN.	USPAT	OR	ON	2010/08/27 11:45
S81	34	("2706660"   "2715481"   "3006340"   "3050219" "3252626"   "3306497"   "3314572"   "3401843" "3422996"   "3426948"   "3531026"   "3729119" "3797705"   "3837537"   "3949906"   "4234093" "4343417"   "4368830"   "4369899"   "4424919" "4458832"   "4479589"   "4496082").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 11:46
S82	42	("3116856").URPN.	USPAT	OR	ON	2010/08/27 12:26
S83	0	("7097078").URPN.	USPAT	OR	ON	2010/08/27 12:27
S84	0	("7097078").URPN.	USPAT	OR	ON	2010/08/27 12:27
S85	12	("1537399"   "3116856"   "3148806"   "3371827"   "3610480"   "3680605"   "4775081"   "5203841").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 12:27
S86	10	("2933222"   "2952278"   "3126132"   "3308857"   "3360168").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 12:28
S87	8	("3680605").URPN.	USPAT	OR	ON	2010/08/27 12:28
S88	4	("2023230"   "3184115").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 12:29
S89	24	("3184115").URPN.	USPAT	OR	ON	2010/08/27 12:30
S90	11	("3184115"   "3334627"   "3837537"   "4353483"   "4442955"   "5170782"   "5238141"   "D296663"   "D325357").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 12:32
S91	15	("3107670"   "3151618"   "3184115"   "3209751"   "3456644"   "3506004"   "4130116"   "4292966" "4509515").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 12:37
S92	9	("2846124"   "3116856"   "3191814"   "3221950"   "3608788").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 12:41
S93	18	("3907174").URPN.	USPAT	OR	ON	2010/08/27 12:41
S94	18	("1733079"   "2544120"   "2831615"   "2953285"   "3058632"   "3402741"   "3415675"   "3439839"   "3884231"   "4801008").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 12:49
S95	4	("2848997"   "3640268"   "3828980").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/27 12:53
S96	135	("4040420").URPN.	USPAT	OR	ON	2010/08/27 12:53
S97	0	(capsule and cartridge and chamber and piston and cannula and pivot\$7 and dispense\$5).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:58

S98	0	(cartridge and chamber and piston and cannula and pivot\$7 and dispens\$5).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:59
S99	2	(cartridge and piston and cannula and pivot\$7 and dispens\$5).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 15:00

8/ 27/ 10 3:21:38 PM

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